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N.J. Tro, A.M. Nishimura, D.R. Haynes and S.M. George, Surface nucleation in the crystallization kinetics of phenanthrene multilayers on $Al_2O_3(11\bar{2}0)$ 207 (1989) L961

Organic substances

N.J. Tro, A.M. Nishimura, D.R. Haynes and S.M. George, Surface nucleation in the crystallization kinetics of phenanthrene multilayers on $Al_2O_3(11\bar{2}0)$ 207 (1989) L961
W.H. Heise and B.J. Tatarchuk, Thiophene adsorption on clean and sulfur precovered Ru(0001) 207 (1989) 297
J.G. Langan, J.A. Shorter, Xu Xin, S.A. Joyce and J.I. Steinfeld, Reactions of laser-generated CF_2 on silicon and silicon oxide surfaces 207 (1989) 344
M. Kawai, Y. Tsuboi, K. Tanaka, S. Teratani and K. Taya, CO_2-laser-induced surface reaction of CDF_3 on SiO_2 207 (1989) 354

Oxygen

W. Oed, B. Dötsch, L. Hammer, K. Heinz and K. Müller, A LEED investigation of clean and oxygen covered Rh(100) 207 (1988) 55
S.E. Anderson and G.L. Nyberg, UPS of O_2 and H_2S adsorbed on Cu(410): band resolution through fractional difference spectra 207 (1989) 233
M.T. Paffett, C.T. Campbell, R.G. Windham and B.E. Koel, A multitechnique surface analysis study of the adsorption of H_2, CO and O_2 on Bi/Pt(111) surfaces 207 (1989) 274
T. Yamada, J. Nakamura, I. Matsuo, I. Toyoshima and K. Tanaka, Catalytic isotope scrambling of H_2 + D_2 and the formation of surface compounds involving oxygen on Ni(100) modified by sulfur 207 (1989) 323

Photoelectron spectroscopy

R. Ducros and J. Fusy, Adsorption of CO and H_2 on Pt(110)(1 × 2) studied by photoemission of adsorbed xenon (PAX) 207 (1988) L943
J. Kiss, K. Révész and F. Solymosi, Photoelectron spectroscopic studies of the adsorption of CO_2 on potassium-promoted Rh(111) surface 207 (1988) 36
S.E. Anderson and G.L. Nyberg, UPS of O_2 and H_2S adsorbed on Cu(410): band resolution through fractional difference spectra 207 (1989) 233
G.L. Nyberg and S.E. Anderson, UPS of CH_3OH and C_2H_5OH adsorbed on Cu(410): band assignment and chemisorption bonding model 207 (1989) 253
M.T. Paffett, C.T. Campbell, R.G. Windham and B.E. Koel, A multi-technique surface analysis study of the adsorption of H_2, CO and O_2 on Bi/Pt(111) surfaces 207 (1989) 274
W.H. Heise and B.J. Tatarchuk, Thiophene adsorption on clean and sulfur precovered Ru(0001) 207 (1989) 297
J.G. Langan, J.A. Shorter, Xu Xin, S.A. Joyce and J.I. Steinfeld, Reactions of laser-generated CF_2 on silicon and silicon oxide surfaces 207 (1989) 344

Platinum

D. Hoge, M. Tüshaus and A.M. Bradshaw, Island formation during CO/H coadsorption on Pt{111} studied by IR reflection–absorption spectroscopy 207 (1988) L935
R. Ducros and J. Fusy, Adsorption of CO and H_2 on Pt(110)(1 × 2) studied by photoemission of adsorbed xenon (PAX) 207 (1988) L943
H. Akazawa and Y. Murata, Dissociative scattering of low energy N_2^+ ion beam on Pt(100) 207 (1989) L971
M.T. Paffett, C.T. Campbell, R.G. Windham and B.E. Koel, A multi-technique surface analysis study of the adsorption of H_2, CO and O_2 on Bi/Pt(111) surfaces 207 (1989) 274
J.A. Leiro and M. Persson, Dynamical shift and decay of low-energy vibrational modes: CO on Ni and Pt(111) 207 (1989) 473

Rhodium

J. Kiss, K. Révész and F. Solymosi, Photoelectron spectroscopic studies of the adsorption of CO_2 on potassium-promoted Rh(111) surface 207 (1988) 36
W. Oed, B. Dötsch, L. Hammer, K. Heinz and K. Müller, A LEED investigation of clean and oxygen covered Rh(100) 207 (1988) 55
G.S. Blackman, C.T. Kao, B.E. Bent, C.M. Mate, M.A. Van Hove and G.A. Somorjai, LEED and HREELS studies of the coadsorbed CO + ethylidyne and NO + ethylidyne systems on the Rh(111) crystal surface 207 (1988) 66

Ruthenium

W.H. Heise and B.J. Tatarchuk, Thiophene adsorption on clean and sulfur precovered Ru(0001) 207 (1989) 297
W. Riedl and D. Menzel, ESDIAD beam widths 207 (1989) 494

Secondary ion mass spectroscopy

X.-Y. Zhu, M.E. Castro, S. Akhter, J.M. White and J.E. Houston, C–H bond cleavage for ethylene and acetylene on Ni(100) 207 (1988) 1

S.M. Gates, R.R. Kunz and C.M. Greenlief, Silicon hydride etch products from the reaction of atomic hydrogen with Si(100) 207 (1989) 364

Silane

S.M. Gates, R.R. Kunz and C.M. Greenlief, Silicon hydride etch products from the reaction of atomic hydrogen with Si(100) 207 (1989) 364
K.W. Hipps and U. Mazur, An inelastic electron tunneling spectroscopy study of the complexation reaction of $CoBr_2$ and $CoCl_2$ with silane modified alumina 207 (1989) 385

Silicon

K. Kato, T. Ide, T. Nishimori and T. Ichinokawa, Formation and atomic configuration of Si(100)c(4 × 4) structure 207 (1988) 177
D.M. Rohlfing, J. Ellis, B.J. Hinch, W. Allison and R.F. Willis, Observation of multiple missing dimer structures on the Si(001)-(2 × *n*) surface 207 (1989) L955
J.G. Langan, J.A. Shorter, Xu Xin, S.A. Joyce and J.I. Steinfeld, Reactions of laser-generated CF_2 on silicon and silicon oxide surfaces 207 (1989) 344
S.M. Gates, R.R. Kunz and C.M. Greenlief, Silicon hydride etch products from the reaction of atomic hydrogen with Si(100) 207 (1989) 364
W. Weiss, S. Schmeisser and W. Göpel, Surface defects on Si(001) 207 (1989) 401
M.A. Lamin, O.P. Pchelyakov, L.V. Sokolov, S.I. Stenin and A.I. Toropov, On the origin of superstructures observed on surfaces of Ge and Ge_xSi_{1-x} films grown on Si(111)(7 × 7) 207 (1989) 418
I. Konomi, A. Kawano and Y. Kido, Damage profiling of Ar^+-irradiated Si(100) and GaAs(100) by medium energy ion scattering 207 (1989) 427

Silicon oxide

J.G. Langan, J.A. Shorter, Xu Xin, S.A. Joyce and J.I. Steinfeld, Reactions of laser-generated CF_2 on silicon and silicon oxide surfaces 207 (1989) 344
M. Kawai, Y. Tsuboi, K. Tanaka, S. Teratani and K. Taya, CO_2-laser-induced surface reaction of CDF_3 on SiO_2 207 (1989) 354

Solid–electrolyte interface

P. Lemasson and R. Triboulet, The semiconductor/electrolyte interface: a re-examination of n-type cadmium telluride electrodes 207 (1988) 118

Sputtering

S. Cui, R.E. Johnson and P. Cummings, Classical dynamics description of low energy cascades in solids: atomic ejection from solid argon 207 (1988) 186
I. Konomi, A. Kawano and Y. Kido, Damage profiling of Ar^+-irradiated Si(100) and GaAs(100) by medium energy ion scattering 207 (1989) 427
K.M. Hubbard and R.A. Weller, Sputtering of atomic and molecular ions from the Ga–In eutectic alloy under keV heavy-ion bombardment 207 (1989) 441

Sulphides

P.N. Jones, E. Knözinger, W. Langel, R.B. Moyes and J. Tomkinson, Adsorption of molecular hydrogen at high pressure and temperature on MoS_2 and WS_2; observed by inelastic neutron scattering 207 (1988) 159

Sulphur

W.H. Heise and B.J. Tatarchuk, Thiophene adsorption on clean and sulfur precovered Ru(0001) 207 (1989) 297

T. Yamada, J. Nakamura, I. Matsuo, I. Toyoshima and K. Tanaka, Catalytic isotope scrambling of $H_2 + D_2$ and the formation of surface compounds involving oxygen on Ni(100) modified by sulfur 207 (1989) 323

Surface composition

A. Kurokawa and R. Shimizu, In-depth surface composition of Al–Mg alloy under ion bombardment 207 (1989) 460

Surface defects

W. Weiss, S. Schmeisser and W. Göpel, Surface defects on Si(001) 207 (1989) 401

Surface diffusion

T.-S. Lin and Y.-W. Chung, Measurement of the activation energy for surface diffusion in gold by scanning tunneling microscopy 207 (1989) 539

Surface phonons

K.-P. Bohnen and K.-M. Ho, First principles calculation of lattice relaxation and surface phonons on Al(100) 207 (1988) 105

J.A. Leiro and M. Persson, Dynamical shift and decay of low-energy vibrational modes: CO on Ni and Pt(111) 207 (1989) 473

Surface structure, see also Low energy electron diffraction

W. Oed, B. Dötsch, L. Hammer, K. Heinz and K. Müller, A LEED investigation of clean and oxygen covered Rh(100) 207 (1988) 55

G.S. Blackman, C.T. Kao, B.E. Bent, C.M. Mate, M.A. Van Hove and G.A. Somorjai, LEED and HREELS studies of the coadsorbed CO + ethylidyne and NO + ethylidyne systems on the Rh(111) crystal surface 207 (1988) 66

D.M. Rohlfing, J. Ellis, B.J. Hinch, W. Allison and R.F. Willis, Observation of multiple missing dimer structures on the Si(001)-$(2 \times n)$ surface 207 (1989) L955

M.-L. Xu and M.A. Van Hove, Surface structure determination with forward focused electrons 207 (1989) 215

Thermal desorption

X.-Y. Zhu, M.E. Castro, S. Akhter, J.M. White and J.E. Houston, C–H bond cleavage for ethylene and acetylene on Ni(100) 207 (1988) 1

M.T. Paffett, C.T. Campbell, R.G. Windham and B.E. Koel, A multi-technique surface analysis study of the adsorption of H_2, CO and O_2 on Bi/Pt(111) surfaces 207 (1989) 274
W.H. Heise and B.J. Tatarchuk, Thiophene adsorption on clean and sulfur precovered Ru(0001) 207 (1989) 297
T. Yamada, J. Nakamura, I. Matsuo, I. Toyoshima and K. Tanaka, Catalytic isotope scrambling of $H_2 + D_2$ and the formation of surface compounds involving oxygen on Ni(100) modified by sulfur 207 (1989) 323
S.M. Gates, R.R. Kunz and C.M. Greenlief, Silicon hydride etch products from the reaction of atomic hydrogen with Si(100) 207 (1989) 364
H. Asada and M. Masuda, Bilayer model for zero order desorption 207 (1989) 517
K.L. Siefering and G.L. Griffin, Chemical reactions of Zn/Cu, Zn/Cu_2O, and Zn/CuO thin films 207 (1989) 525

Tunneling

K.W. Hipps and U. Mazur, An inelastic electron tunneling spectroscopy study of the complexation reaction of $CoBr_2$ and $CoCl_2$ with silane modified alumina 207 (1989) 385
T.-S. Lin and Y.-W. Chung, Measurement of the activation energy for surface diffusion in gold by scanning tunneling microscopy 207 (1989) 539
T.E. Feuchtwang, A. Notea and P.H. Cutler, The linear response theory of the scanning tunneling microscope. I. General metrological considerations in the interpretation of experimental data 207 (1989) 547
T.E. Feuchtwang, A. Notea and P.H. Cutler, The linear response theory of the scanning tunneling microscope. II. Determination of the phenomenological and semi-empirical instrument function 207 (1989) 558
A. Notea, T.E. Feuchtwang and P.H. Cutler, The linear response theory of the scanning tunneling microscope. III. Analysis of resolution and its achievable bounds 207 (1989) 573

Zinc

K.L. Siefering and G.L. Griffin, Chemical reactions of Zn/Cu, Zn/Cu_2O, and Zn/CuO thin films 207 (1989) 525

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K.L. Siefering and G.L. Griffin, Chemical reactions of Zn/Cu, Zn/Cu_2O, and Zn/CuO thin films 207 (1989) 525